This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. to 17. (Canceled)

18. (Currently amended)   A method of diagnosing <u>stomach tumor</u> ~~a disease selected from cardiovascular diseases, dermatological diseases, gastroenterological diseases, cancer, hematological diseases, inflammation, respiratory diseases, neurological diseases and urological diseases~~ in a <u>test</u> mammal comprising the steps of

    i)   determining the amount of ~~a~~ <u>an adiponectin receptor 1 (AdipoR1)</u> polynucleotide <u>comprising SEQ ID NO: 5</u> in a sample of ~~taken from~~ said <u>test</u> mammal, <u>and</u>

    ii)   <u>comparing the amount of said AdipoR1 polynucleotide from said sample to</u> ~~determining~~ the amount of AdipoR1 polynucleotide <u>comprising SEQ ID NO: 5 in a sample of a mammal that does not suffer from stomach tumor,</u> ~~healthy and/or diseased mammals~~

<u>wherein said sample is a sample of stomach tissue; and wherein the amount of AdipoR1 polynucleotide in the sample is indicative of the test mammal having stomach tumor if AdipoR1 is underexpressed in said sample of stomach tissue of said test mammal relative to said sample of stomach tissue said mammal that does not suffer from stomach tumor.</u>

19. to 26. (Canceled)

27. (New) The method of claim 18 wherein said AdipoR1 polynucleotide is DNA or RNA.

28. (New) The method of claim 18 wherein said AdipoR1 polynucleotide is mRNA.

29. (New) The method of claim 18 wherein said AdipoR1 polynucleotide comprises nucleotides 299 to 376 of SEQ ID NO: 1.

30. (New) The method of claim 18 wherein said AdipoR1 polynucleotide encodes a polypeptide comprising the amino acid sequence of SEQ ID NO: 2.

31. (New) The method of claim 18 wherein said AdipoR1 polynucleotide comprises SEQ ID NO: 1.